

```
error: failed to push some refs to 'git@gitlab.work.co.uk:project/repo.git'
```

(I removed some sensitive data.)

I didn't want to change my default git email, because I still want to use it for other git repositories. After some research, I've found two ways to solve my problem.

Method 1: use different git email based on repository path

This method involves adding some conditions to global git config. Then within each git repo, it will automatically figure out which email to use based on the path.

By default, the global git config looked something like this for me.

```
# ~/.gitconfig

[user]
  email = personal@email.com
  name = Hao Dong
```

1. Rename ".gitconfig" to ".gitconfig-personal"

Rename the global config to `~/.gitconfig-personal` using the following command. It will now be our new config for any personal projects.

```
mv .gitconfig .gitconfig-personal
```

Don't worry, we will add the global config back later.

2. Create ".gitconfig-work"

Create the new config file for work.

```
touch ~/.gitconfig-work
```

Then add the following into the config file.

```
# ~/.gitconfig-work

[user]
  email = work@email.com
  name = Hao Dong
```

3. Create a new ".gitconfig"

Add a new global `.gitconfig` file, this will point to the other two custom config files.

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```
touch ~/.gitconfig
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Then add the following into the global config file.

```
# ~/.gitconfig

[includeIf "gitdir:~/work/"]
  path = .gitconfig-work
[includeIf "gitdir:~/personal/"]
  path = .gitconfig-personal
```

Source: https://git-scm.com/docs/git-config#_includes

Method 2: setting git email per repository

Personally, I would suggest going with Method 1, no matter your situation. But if you are confident it is a one-off case, then this method might be appropriate.

Navigate to the work repository, then at the root folder run the following command to change the email.

```
$ git config --local user.email name@work.com
```

Note: this command only affects the current repository. Any other repositories will still use the default email specified in `~/.gitconfig`.

Question: I did all that, but the commit still says the wrong email

If you already committed the code change like I have, then you will have to go through each commit made prior to the email change and then update the email in the commit using the following command.

```
git commit --amend --author="Full Name <email@address.com>" --no-edit
```

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